

MAJOR SOURCE OPERATING PERMIT

Permittee: **Prince Minerals LLC**

Facility Name: **Prince Minerals LLC**

Facility No.: 303-0001

Location: Leesburg, Alabama

In accordance with and subject to the provisions of the Alabama Air Pollution Control Act of 1971, as amended, Ala. Code 1975, §§22-28-1 to 22-28-23 (2006 Rplc. Vol. and 2007 Cum. Supp.) (the "AAPCA") and the Alabama Environmental Management Act, as amended, Ala. Code 1975, §§22-22A-1 to 22-22A-15, (2006 Rplc. Vol. and 2007 Cum. Supp.) and rules and regulations adopted thereunder, and subject further to the conditions set forth in this permit, the Permittee is hereby authorized to construct, install and use the equipment, device or other article described above.

*Pursuant to the **Clean Air Act of 1990**, all conditions of this permit are federally enforceable by EPA, the Alabama Department of Environmental Management, and citizens in general. Those provisions which are not required under the **Clean Air Act of 1990** are considered to be state permit provisions and are not federally enforceable by EPA and citizens in general. Those provisions are contained in separate sections of this permit.*

Issuance Date: *TBD*

Effective Date: *TBD*

Expiration Date: *TBD*

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General Permit Provisos

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<p>1. <u>Transfer</u></p> <p>This permit is not transferable, whether by operation of law or otherwise, either from one location to another, from one piece of equipment to another, or from one person to another, except as provided in Rule 335-3-16-.13(1)(a)5.</p> <p>2. <u>Renewals</u></p> <p>An application for permit renewal shall be submitted at least six (6) months, but not more than eighteen (18) months, before the date of expiration of this permit.</p> <p>The source for which this permit is issued shall lose its right to operate upon the expiration of this permit unless a timely and complete renewal application has been submitted within the time constraints listed in the previous paragraph.</p> <p>3. <u>Severability Clause</u></p> <p>The provisions of this permit are declared to be severable and if any section, paragraph, subparagraph, subdivision, clause, or phrase of this permit shall be adjudged to be invalid or unconstitutional by any court of competent jurisdiction, the judgment shall not affect, impair, or invalidate the remainder of this permit, but shall be confined in its operation to the section, paragraph, subparagraph, subdivision, clause, or phrase of this permit that shall be directly involved in the controversy in which such judgment shall have been rendered.</p> <p>4. <u>Compliance</u></p> <p>(a) The permittee shall comply with all conditions of ADEM Admin. Code 335-3. Noncompliance with this permit will constitute a violation of the Clean Air Act of 1990 and ADEM Admin. Code 335-3 and may result in an enforcement action; including but not limited to, permit termination, revocation and reissuance, or modification; or denial of a permit renewal application by the permittee.</p> <p>(b) The permittee shall not use as a defense in an enforcement action that maintaining compliance with conditions of this permit would have required halting or reducing the permitted activity.</p>	<p>Rule 335-3-16-.02(6)</p> <p>Rule 335-3-16-.12(2)</p> <p>Rule 335-3-16-.05(e)</p> <p>Rule 335-3-16-.05(f)</p> <p>Rule 335-3-16-.05(g)</p>

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<p>5. <u>Termination for Cause</u></p> <p>This permit may be modified, revoked, reopened, and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance will not stay any permit condition.</p>	<p>Rule 335-3-16-.05(h)</p>
<p>6. <u>Property Rights</u></p> <p>The issuance of this permit does not convey any property rights of any sort, or any exclusive privilege.</p>	<p>Rule 335-3-16-.05(i)</p>
<p>7. <u>Submission of Information</u></p> <p>The permittee must submit to the Department, within 30 days or for such other reasonable time as the Department may set, any information that the Department may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit or to determine compliance with this permit. Upon receiving a specific request, the permittee shall also furnish to the Department copies of records required to be kept by this permit.</p>	<p>Rule 335-3-16-.05(j)</p>
<p>8. <u>Economic Incentives, Marketable Permits, and Emissions Trading</u></p> <p>No permit revision shall be required, under any approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in this permit.</p>	<p>Rule 335-3-16-.05(k)</p>
<p>9. <u>Certification of Truth, Accuracy, and Completeness:</u></p> <p>Any application form, report, test data, monitoring data, or compliance certification submitted pursuant to this permit shall contain certification by a responsible official of truth, accuracy, and completeness. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate and complete.</p>	<p>Rule 335-3-16-.07(a)</p>
<p>10. <u>Inspection and Entry</u></p> <p>Upon presentation of credentials and other documents as may be required by law, the permittee shall allow authorized representatives of the Alabama Department of</p>	<p>Rule 335-3-16-.07(b)</p>

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<p>Environmental Management and EPA to conduct the following:</p> <ul style="list-style-type: none"> (a) Enter upon the permittee's premises where a source is located or emissions-related activity is conducted, or where records must be kept pursuant to the conditions of this permit; (b) Review and/or copy, at reasonable times, any records that must be kept pursuant to the conditions of this permit; (c) Inspect, at reasonable times, this facility's equipment (including monitoring equipment and air pollution control equipment), practices, or operations regulated or required pursuant to this permit; (d) Sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with this permit or other applicable requirements. 	
<p>11. <u>Compliance Provisions</u></p> <ul style="list-style-type: none"> (a) The permittee shall continue to comply with the applicable requirements with which the company has certified that it is already in compliance. (b) The permittee shall comply in a timely manner with applicable requirements that become effective during the term of this permit. 	<p>Rule 335-3-16-.07(c)</p>
<p>12. <u>Compliance Certification</u></p> <p>A compliance certification shall be submitted annually within 60 days after the effective date of this permit.</p> <ul style="list-style-type: none"> (a) The compliance certification shall include the following: <ul style="list-style-type: none"> (1) The identification of each term or condition of this permit that is the basis of the certification; (2) The compliance status; (3) The method(s) used for determining the compliance status of the source, currently and over the reporting period consistent with Rule 	<p>Rule 335-3-16-.07(e)</p>

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<p>335-3-16-.05(c) (Monitoring and Recordkeeping Requirements);</p> <p>(4) Whether compliance has been continuous or intermittent;</p> <p>(5) Such other facts as the Department may require to determine the compliance status of the source;</p> <p>(b) The compliance certification shall be submitted to:</p> <p style="padding-left: 40px;">Alabama Department of Environmental Management Air Division P.O. Box 301463 Montgomery, AL 36130-1463</p> <p style="padding-left: 80px;">and to:</p> <p style="padding-left: 40px;">Air and EPCRA Enforcement Branch EPA Region IV 61 Forsyth Street, SW Atlanta, GA 30303</p>	
<p>13. <u>Reopening for Cause</u></p> <p>Under any of the following circumstances, this permit will be reopened prior to the expiration of the permit:</p> <p>(a) Additional applicable requirements under the Clean Air Act of 1990 become applicable to the permittee with a remaining permit term of three (3) or more years. Such a reopening shall be completed not later than eighteen (18) months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which this permit is due to expire.</p> <p>(b) Additional requirements (including excess emissions requirements) become applicable to an affected source under the acid rain program. Upon approval by the Administrator, excess emissions offset plans shall be deemed to be incorporated into this permit.</p> <p>(c) The Department or EPA determines that this permit contains a material mistake or that inaccurate statements were made in establishing the emissions</p>	<p>Rule 335-3-16-.13(5)</p>

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<p>standards or other terms or conditions of this permit.</p> <p>(d) The Administrator or the Department determines that this permit must be revised or revoked to assure compliance with the applicable requirements.</p>	
<p>14. <u>Additional Rules and Regulations</u></p> <p>This permit is issued on the basis of Rules and Regulations existing on the date of issuance. In the event additional Rules and Regulations are adopted, it shall be the permit holder's responsibility to comply with such rules.</p>	<p>§22-28-16(d), Code of Alabama 1975, as amended</p>
<p>15. <u>Equipment Maintenance or Breakdown</u></p> <p>(a) In the case of shutdown of air pollution control equipment (which operates pursuant to any permit issued by the Director) for necessary scheduled maintenance, the intent to shut down such equipment shall be reported to the Director at least twenty-four (24) hours prior to the planned shutdown, unless such shutdown is accompanied by the shutdown of the source which such equipment is intended to control. Such prior notice shall include, but is not limited to the following:</p> <ol style="list-style-type: none"> (1) Identification of the specific facility to be taken out of service as well as its location and permit number; (2) The expected length of time that the air pollution control equipment will be out of service; (3) The nature and quantity of emissions of air contaminants likely to occur during the shutdown period; (4) Measures such as the use of off-shift labor and equipment that will be taken to minimize the length of the shutdown period; (5) The reasons that it would be impossible or impractical to shut down the source operation during the maintenance period. <p>(b) In the event that there is a breakdown of equipment or upset of process in such a manner as to cause, or is expected to cause, increased emissions of air</p>	<p>Rule 335-3-1-.07(1), (2)</p>

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<p>contaminants which are above an applicable standard, the person responsible for such equipment shall notify the Director within 24 hours or the next working day and provide a statement giving all pertinent facts, including the estimated duration of the breakdown. The Director shall be notified when the breakdown has been corrected.</p>	
<p>16. <u>Operation of Capture and Control Devices</u></p> <p>All air pollution control devices and capture systems for which this permit is issued shall be maintained and operated at all times in a manner so as to minimize the emissions of air contaminants. Procedures for ensuring that the above equipment is properly operated and maintained so as to minimize the emission of air contaminants shall be established.</p>	<p>§22-28-16(d), Code of Alabama 1975, as amended</p>
<p>17. <u>Obnoxious Odors</u></p> <p>This permit is issued with the condition that, should obnoxious odors arising from the plant operations be verified by Air Division inspectors, measures to abate the odorous emissions shall be taken upon a determination by the Alabama Department of Environmental Management that these measures are technically and economically feasible.</p>	<p>Rule 335-3-1-.08</p>
<p>18. <u>Fugitive Dust</u></p> <p>(a) Precautions shall be taken to prevent fugitive dust emanating from plant roads, grounds, stockpiles, screens, dryers, hoppers, ductwork, etc.</p> <p>(b) Plant or haul roads and grounds will be maintained in the following manner so that dust will not become airborne. A minimum of one, or a combination, of the following methods shall be utilized to minimize airborne dust from plant or haul roads and grounds:</p> <p>(1) By the application of water any time the surface of the road is sufficiently dry to allow the creation of dust emissions by the act of wind or vehicular traffic;</p> <p>(2) By reducing the speed of vehicular traffic to a point below that at which dust emissions are created;</p>	<p>Rule 335-3-4-.02</p>

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<p>(3) By paving;</p> <p>(4) By the application of binders to the road surface at any time the road surface is found to allow the creation of dust emissions;</p> <p>Should one, or a combination, of the above methods fail to adequately reduce airborne dust from plant or haul roads and grounds, alternative methods shall be employed, either exclusively or in combination with one or all of the above control techniques, so that dust will not become airborne. Alternative methods shall be approved by the Department prior to utilization.</p>	
<p>19. <u>Additions and Revisions</u></p> <p>Any modifications to this source shall comply with the modification procedures in Rules 335-3-16-.13 or 335-3-16-.14.</p>	<p>Rule 335-3-16-.13 and .14</p>
<p>20. <u>Recordkeeping Requirements</u></p> <p>(a) Records of required monitoring information of the source shall include the following:</p> <ul style="list-style-type: none"> (1) The date, place, and time of all sampling or measurements; (2) The date analyses were performed; (3) The company or entity that performed the analyses; (4) The analytical techniques or methods used; (5) The results of all analyses; and (6) The operating conditions that existed at the time of sampling or measurement. <p>(b) Retention of records of all required monitoring data and support information of the source for a period of at least 5 years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation and copies of all</p>	<p>Rule 335-3-16-.05(c)2.</p>

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<p>reports required by the permit.</p>	
<p>21. <u>Reporting Requirements</u></p> <p>(a) Reports to the Department of any required monitoring shall be submitted at least every 6 months. All instances of deviations from permit requirements must be clearly identified in said reports. All required reports must be certified by a responsible official consistent with Rule 335-3-16-.04(9).</p> <p>(b) Deviations from permit requirements shall be reported within 48 hours or 2 working day of such deviations, including those attributable to upset conditions as defined in the permit. The report will include the probable cause of said deviations, and any corrective actions or preventive measures that were taken.</p>	<p>Rule 335-3-16-.05(c)3.</p>
<p>22. <u>Emission Testing Requirements</u></p> <p>Each point of emission which requires testing will be provided with sampling ports, ladders, platforms, and other safety equipment to facilitate testing performed in accordance with procedures established by Part 60 of Title 40 of the Code of Federal Regulations, as the same may be amended or revised.</p> <p>The Air Division must be notified in writing at least 10 days in advance of all emission tests to be conducted and submitted as proof of compliance with the Department's air pollution control rules and regulations.</p> <p>To avoid problems concerning testing methods and procedures, the following shall be included with the notification letter:</p> <p>(1) The date the test crew is expected to arrive, the date and time anticipated of the start of the first run, how many and which sources are to be tested, and the names of the persons and/or testing company that will conduct the tests.</p> <p>(2) A complete description of each sampling train to be used, including type of media used in determining gas stream components, type of probe lining, type of filter media, and probe cleaning method and solvent to be used (if test procedures require probe cleaning).</p>	<p>Rule 335-3-1-.05(3) and Rule 335-3-1-.04(1)</p> <p>Rule 335-3-1-.04</p>

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<p>(3) A description of the process(es) to be tested including the feed rate, any operating parameters used to control or influence the operations, and the rated capacity.</p> <p>(4) A sketch or sketches showing sampling point locations and their relative positions to the nearest upstream and downstream gas flow disturbances.</p> <p>A pretest meeting may be held at the request of the source owner or the Air Division. The necessity for such a meeting and the required attendees will be determined on a case-by-case basis.</p> <p>All test reports must be submitted to the Air Division within 30 days of the actual completion of the test unless an extension of time is specifically approved by the Air Division.</p>	<p>Rule 335-3-1-.04</p>
<p>23. <u>Payment of Emission Fees</u></p> <p>Annual emission fees shall be remitted each year according to the fee schedule in ADEM Admin. Code R. 335-1-7-.04.</p>	<p>Rule 335-1-7-.04</p>
<p>24. <u>Other Reporting and Testing Requirements</u></p> <p>Submission of other reports regarding monitoring records, fuel analyses, operating rates, and equipment malfunctions may be required as authorized in the Department's air pollution control rules and regulations. The Department may require emission testing at any time.</p>	<p>Rule 335-3-1-.04(1)</p>
<p>25. <u>Title VI Requirements (Refrigerants)</u></p> <p>Any facility having appliances or refrigeration equipment, including air conditioning equipment, which use Class I or Class II ozone-depleting substances as listed in 40 CFR Part 82, Subpart A, Appendices A and B, shall service, repair, and maintain such equipment according to the work practices, personnel certification requirements, and certified recycling and recovery equipment specified in 40 CFR Part 82, Subpart F.</p> <p>No person shall knowingly vent or otherwise release any Class I or Class II substance into the environment during the repair, servicing, maintenance, or disposal of any device except as provided in 40 CFR Part 82, Subpart F.</p> <p>The responsible official shall comply with all reporting and</p>	<p>40 CFR 82</p>

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<p>recordkeeping requirements of 40 CFR 82.166. Reports shall be submitted to the US EPA and the Department as required.</p>	
<p>26. <u>Chemical Accidental Prevention Provisions</u></p> <p>If a chemical listed in Table 1 of 40 CFR Part 68.130 is present in a process in quantities greater than the threshold quantity listed in Table 1, then:</p> <ul style="list-style-type: none"> (a) The owner or operator shall comply with the provisions in 40 CFR Part 68. (b) The owner or operator shall submit one of the following: <ul style="list-style-type: none"> (1) A compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided in 40 CFR Part 68 § 68.10(a) or, (2) A certification statement that the source is in compliance with all requirements of 40 CFR Part 68, including the registration and submission of the Risk Management Plan. 	<p>40 CFR Part 68</p>
<p>27. <u>Display of Permit</u></p> <p>This permit shall be kept under file or on display at all times at the site where the facility for which the permit is issued is located and will be made readily available for inspection by any or all persons who may request to see it.</p>	<p>Rule 335-3-14-.01(1)(d)</p>
<p>28. <u>Circumvention</u></p> <p>No person shall cause or permit the installation or use of any device or any means which, without resulting in the reduction in the total amount of air contaminant emitted, conceals or dilutes any emission of air contaminant which would otherwise violate the Division 3 rules and regulations.</p>	<p>Rule 335-3-1-.10</p>
<p>29. <u>Visible Emissions</u></p> <p>Unless otherwise specified in the Unit Specific provisos of this permit, any source of particulate emissions shall not discharge more than one 6-minute average opacity greater than 20% in any 60-minute period. At no time shall any source discharge a 6-minute average opacity of particulate</p>	<p>Rule 335-3-4-.01(1)</p>

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<p>emissions greater than 40%. Opacity will be determined by 40 CFR Part 60, Appendix A, Method 9, unless otherwise specified in the Unit Specific provisos of this permit.</p>	
<p>30. <u>Fuel-Burning Equipment</u></p>	
<p>(a) Unless otherwise specified in the Unit Specific provisos of this permit, no fuel-burning equipment may discharge particulate emissions in excess of the emissions specified in Part 335-3-4-.03.</p>	<p>Rule 335-3-4-.03</p>
<p>(b) Unless otherwise specified in the Unit Specific provisos of this permit, no fuel-burning equipment may discharge sulfur dioxide emissions in excess of the emissions specified in Part 335-3-5-.01.</p>	<p>Rule 335-3-5-.01</p>
<p>31. <u>Process Industries – General</u></p>	
<p>Unless otherwise specified in the Unit Specific provisos of this permit, no process may discharge particulate emissions in excess of the emissions specified in Part 335-3-4-.04.</p>	<p>Rule 335-3-4-.04</p>
<p>32. <u>Averaging Time for Emission Limits</u></p>	
<p>Unless otherwise specified in the permit, the averaging time for the emission limits listed in this permit shall be the nominal time required by the specific test method.</p>	<p>Rule 335-3-1-.05</p>

Summary Page for Smelters S2, S3, S4, & Auxiliary Equipment

Permitted

Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
SCR1	Smelter S2 (EU1) and S3 (EU2) with Scrubber	PM	(See General Proviso 31)	335-3-4-.04
SCR1	Smelter S2 (EU1) and S3 (EU2) with Scrubber	SO ₂	N/A	N/A
SCR1	Smelter S2 (EU1) and S3 (EU2) with Scrubber	NO _x	N/A	N/A
SCR1	Smelter S2 (EU1) and S3 (EU2) with Scrubber	CO	N/A	N/A
SCR1	Smelter S2 (EU1) and S3 (EU2) with Scrubber	VOC	N/A	N/A
SCR1	Smelter S2 (EU1) and S3 (EU2) with Scrubber	HF	N/A	N/A
SCR1	Smelter S2 (EU1) and S3 (EU2) with Scrubber	GHG	N/A	N/A
SCR1	Smelter S2 (EU1) and S3 (EU2) with Scrubber	Opacity	(See general proviso 29)	335-3-4-.01
SCR2	Smelter S2 (EU1) and S4 (EU3) with Scrubber	PM	(See General Proviso 31)	335-3-4-.04
SCR2	Smelter S2 (EU1) and S4 (EU3) with Scrubber	SO ₂	N/A	N/A
SCR2	Smelter S2 (EU1) and S4 (EU3) with Scrubber	NO _x	N/A	N/A
SCR2	Smelter S2 (EU1) and S4 (EU3) with Scrubber	CO	N/A	N/A
SCR2	Smelter S2 (EU1) and S4 (EU3) with Scrubber	VOC	N/A	N/A
SCR2	Smelter S2 (EU1) and S4 (EU3) with Scrubber	HF	N/A	N/A
SCR2	Smelter S2 (EU1) and S4 (EU3) with Scrubber	GHG	N/A	N/A
SCR2	Smelter S2 (EU1) and S4 (EU3) with Scrubber	Opacity	(See general proviso 29)	335-3-4-.01
EU48 – DC-7	S-2 Conveyor, Feeder, Mixer, and Bagger (EU4)	PM	(See General Proviso 31)	335-3-4-.04

EU48 – DC-7	S-2 Conveyor, Feeder, Mixer, and Bagger (EU4)	Opacity	(See general proviso 29)	335-3-4-.01
EU58 – DC-23	S-3 Conveyor and Bagger (EU5) S-4 Conveyor and Bagger (EU6)	PM	(See General Proviso 31)	335-3-4-.04
EU58 – DC-23	S-3 Conveyor and Bagger (EU5) S-4 Conveyor and Bagger (EU6)	Opacity	(See general proviso 29)	335-3-4-.01
EU59 – DC-24	S-3 Mixer and Feeder (EU7) S-4 Mixer and Feeder (EU8)	PM	(See General Proviso 31)	335-3-4-.04
EU59 – DC-24	S-3 Mixer and Feeder (EU7) S-4 Mixer and Feeder (EU8)	Opacity	(See general proviso 29)	335-3-4-.01

Provisos for Smelters S2, S3, S4, & Auxiliary Equipment

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<u>Applicability</u>	
1. This source is subject to the applicable requirements of ADEM Admin. Code R. 335-3-16-.03, "Major Source Operating Permits".	Rule 335-3-16-.03
<u>Emission Standards</u>	
1. These units are subject to emission standards listed in General Proviso 29 and General Proviso 31.	Rule 335-3-4-.01(1) Rule 335-3-4-.04
2. At no time shall emissions from more than two smelters be routed to only one scrubber.	Rule 335-3-4-.04
<u>Compliance and Performance Test Methods and Procedures</u>	
1. EPA Reference Method 9 of Appendix A of CFR; Title 40, Part 60 (Latest Edition) or alternative approved by the Department will be used in the determination of the opacity of the stack emissions.	Rule 335-3-1-.05
2. EPA Reference Method 5 of Appendix A of CFR; Title 40, Part 60 (Latest Edition) or alternative approved by the Department will be used for any testing conducted to determine compliance with particulate matter emissions.	Rule 335-3-1-.05
<u>Emission Monitoring</u>	
1. The facility shall conduct emission tests for particulate emissions on the Nos. 1, 2, and 3 smelters at intervals no more than four years following the previous compliance test. The facility shall test two smelters at a time and alternate testing between the North and South Scrubbers.	Rule 335-3-16-.05(c)
2. An instantaneous observation of visible emissions from the stacks associated with Smelter Units S2, S3, S4, and the Auxiliary Equipment shall be accomplished at least weekly, while in operation.	Rule 335-3-16-.05(c)
3. If instantaneous visible emissions in excess of 10% opacity are noted from the scrubbers, and are not corrected within a period of 1 hour, then a Method 9 visible emissions observation must be performed within 4 hours of the initial instantaneous observation.	Rule 335-3-16-.05(c)
4. If the average opacity during the Method 9 visible emission	Rule 335-3-16-.05(c)

Federally Enforceable Provisos	Regulations
<p>observation exceeds ten (10%) opacity, corrective action must be initiated within one (1) hour to reduce the visible emissions from the scrubbers and within two (2) hours for the baghouses. After corrective action has been performed, the permittee shall conduct another visual check to ensure that the visible emissions have been reduced. All corrective action and observed problems shall be recorded.</p>	
<p>5. A properly maintained and operated device shall be utilized to measure the pressure differential between the inlet and exhaust of the scrubbers to determine if the pressure differential is within the manufacturer's recommended operating range. The pressure differential shall be checked at least once a week. Whenever a pressure differential is outside the manufacturer's recommended range, maintenance inspections and/or corrective action to bring the pressure differential within the manufacturer's recommended range are to be initiated within two hours.</p>	Rule 335-3-16-.05(c)
<p>6. A properly maintained and operated devices shall be utilized to measure the pressure differential between the inlets and exhausts of the baghouses to determine if the pressure differential is within the manufacturer's recommended operating range. The pressure differentials shall be checked on at least a weekly basis. Whenever a pressure differential is outside the manufacturer's recommended range, maintenance inspections and/or corrective action to bring the pressure differential within the manufacturer's recommended range are to be initiated within two hours.</p>	Rule 335-3-16-.05(c)
<p>7. The facility shall maintain a sufficient supply of limestone on hand at all times for the scrubber water recycle system.</p>	Rule 335-3-16-.05(c)
<p><u>Recordkeeping and Reporting Requirements</u></p>	
<p>1. Source observations (including scrubber and baghouse pressure differentials and visual observations), corrective action, and all maintenance records of each source permitted under these units will be documented and available for inspection. These records shall be maintained for a period of at least five (5) years from the date of generation and shall be made available to the permitting authority upon request.</p>	Rule 335-3-16-.05(c)

Summary Page for Mills

Permitted

Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
EU52 – DC-13	G1 Mill (EU9) G2 Mill (EU10)	PM	(See General Proviso 31)	335-3-4-.04
EU52 – DC-13	G1 Mill (EU9) G2 Mill (EU10)	Opacity	(See General Proviso 29)	335-3-4-.01(1)
EU53 – DC-15	G3 Mill (EU11) G14 Mill (EU18) G15 Mill (EU19)	PM	(See General Proviso 31)	335-3-4-.04
EU53 – DC-15	G3 Mill (EU11) G14 Mill (EU18) G15 Mill (EU19)	Opacity	(See General Proviso 29)	335-3-4-.01(1)
EU51 – DC-12	G4 Mill (EU12)	PM	(See General Proviso 31)	335-3-4-.04
EU51 – DC-12	G4 Mill (EU12)	Opacity	(See General Proviso 29)	335-3-4-.01(1)
EU47 – DC-6	G6 Mill (EU13) G7 Mill (EU14) G8 Mill (EU15-A) G8 Mill Receiving Hopper (EU15-B) G9 Mill (EU16-A) G9 Mill Receiving Hopper (EU16-B) G12 Mill (EU17)	PM	(See General Proviso 31)	335-3-4-.04
EU47 – DC-6	G6 Mill (EU13) G7 Mill (EU14) G8 Mill (EU15-A) G8 Mill Receiving Hopper (EU15-B) G9 Mill (EU16-A) G9 Mill Receiving Hopper (EU16-B) G12 Mill (EU17)	Opacity	(See General Proviso 29)	335-3-4-.01(1)

Provisos for Mills

Federally Enforceable Provisos	Regulations
<u>Applicability</u>	
1. This source is subject to the applicable requirements of ADEM Admin. Code R. 335-3-16-.03, "Major Source Operating Permits".	Rule 335-3-16-.03
<u>Emission Standards</u>	
1. Except as provided in the General Provisions of this Air Permit, no unit specific emission standards apply to the sources permitted under this unit. These units are subject to emission standards listed in General Proviso 29 and General Proviso 31.	Rule 335-3-4-.01(1) Rule 335-3-4-.04
<u>Compliance and Performance Test Methods and Procedures</u>	
1. EPA Reference Method 9 of Appendix A of CFR; Title 40, Part 60 (Latest Edition) or alternative approved by the Department will be used in the determination of the opacity of the stack emissions.	Rule 335-3-1-.05
2. EPA Reference Method 5 of Appendix A of CFR; Title 40, Part 60 (Latest Edition) or alternative approved by the Department will be used for any testing conducted to determine compliance with particulate matter emissions.	Rule 335-3-1-.05
<u>Emission Monitoring</u>	
1. The facility shall perform a visual check, once per week, of the stacks associated with these units. If visible emissions in excess of 10% opacity are noted, corrective action to eliminate the visible emissions must be taken within 2.0 hours of the observed visible emissions. Maintenance shall be performed as needed. All corrective action and observed problems shall be recorded.	Rule 335-3-16-.05(c)
2. After the corrective action has been performed, the permittee shall conduct another visual check to ensure that the visible emissions have been reduced.	Rule 335-3-16-.05(c)
3. Properly maintained and operated devices shall be utilized to measure the pressure differential between the inlets and exhausts of the baghouses to determine if the pressure differential is within the manufacturer's recommended operating range. The pressure differentials shall be checked on at least a weekly basis. Whenever a pressure differential is outside the manufacturer's recommended range, maintenance inspections and/or corrective action to bring the pressure differential within the manufacturer's recommended range are to be initiated within two hours.	Rule 335-3-16-.05(c)

Federally Enforceable Provisos	Regulations
<p><u>Recordkeeping and Reporting Requirements</u></p> <ol style="list-style-type: none"> 1. Source observation (including baghouse pressure differentials and visual observations), corrective action, and all maintenance records of each source permitted under these units will be documented and available for inspection. These records shall be maintained for a period of at least five (5) years from the date of generation and shall be made available to the permitting authority upon request. 	<p>Rule 335-3-16-.05(c)</p>

Summary Page for Mixers

Permitted

Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
BV-2	Mixer M1 Hopper (EU20-A)	PM	(See General Proviso 31)	335-3-4-.04
BV-2	Mixer M1 Hopper (EU20-A)	Opacity	(See General Proviso 29)	335-3-4-.01(1)
BV-3	Mixer M1 (EU20-B)	PM	(See General Proviso 31)	335-3-4-.04
BV-3	Mixer M1 (EU20-B)	Opacity	(See General Proviso 29)	335-3-4-.01(1)
EU52 – DC-13	Mixer M2 (EU21-B) Mixer M2 Hopper (EU21-A)	PM	(See General Proviso 31)	335-3-4-.04
EU52 – DC-13	Mixer M2 (EU21-B) Mixer M2 Hopper (EU21-A)	Opacity	(See General Proviso 29)	335-3-4-.01(1)
BV-9	Mixer M3 Hopper (EU22-A)	PM	(See General Proviso 31)	335-3-4-.04
BV-9	Mixer M3 Hopper (EU22-A)	Opacity	(See General Proviso 29)	335-3-4-.01(1)
BV-10	Mixer M3 (EU22-B)	PM	(See General Proviso 31)	335-3-4-.04
BV-10	Mixer M3 (EU22-B)	Opacity	(See General Proviso 29)	335-3-4-.01(1)
EU47 – DC-6	Mixer M5 (EU24)	PM	(See General Proviso 31)	335-3-4-.04
EU47 – DC-6	Mixer M5 (EU24)	Opacity	(See General Proviso 29)	335-3-4-.01(1)
EU51 – DC-12 & BV-7	Mixer M4 (EU23)	PM	(See General Proviso 31)	335-3-4-.04
EU51 – DC-12 & BV-7	Mixer M4 (EU23)	Opacity	(See General Proviso 29)	335-3-4-.01(1)

Provisos for Mixers

Federally Enforceable Provisos	Regulations
<u>Applicability</u>	
1. This source is subject to the applicable requirements of ADEM Admin. Code R. 335-3-16-.03, "Major Source Operating Permits".	Rule 335-3-16-.03
<u>Emission Standards</u>	
1. Except as provided in the General Provisions of this Air Permit, no unit specific emission standards apply to the sources permitted under this unit. These units are subject to emission standards listed in General Proviso 29 and General Proviso 31.	Rule 335-3-4-.01(1) Rule 335-3-4-.04
<u>Compliance and Performance Test Methods and Procedures</u>	
1. EPA Reference Method 9 of Appendix A of CFR; Title 40, Part 60 (Latest Edition) or alternative approved by the Department will be used in the determination of the opacity of the stack emissions.	Rule 335-3-1-.05
2. EPA Reference Method 5 of Appendix A of CFR; Title 40, Part 60 (Latest Edition) or alternative approved by the Department will be used for any testing conducted to determine compliance with particulate matter emissions.	Rule 335-3-1-.05
<u>Emission Monitoring</u>	
1. The facility shall perform a visual check, once per week, of the stacks associated with these units. If visible emissions in excess of 10% opacity are noted, corrective action to eliminate the visible emissions must be taken within 2.0 hours of the observed visible emissions. Maintenance shall be performed as needed. All corrective action and observed problems shall be recorded.	Rule 335-3-16-.05(c)
2. After the corrective action has been performed, the permittee shall conduct another visual check to ensure that the visible emissions have been reduced.	Rule 335-3-16-.05(c)
3. Properly maintained and operated devices shall be utilized to measure the pressure differential between the inlets and exhausts of the baghouses to determine if the pressure differential is within the manufacturer's recommended operating range. The pressure differentials shall be checked on at least a weekly basis. Whenever a pressure differential is outside the manufacturer's recommended range, maintenance inspections and/or corrective action to bring the pressure	Rule 335-3-16-.05(c)

Federally Enforceable Provisos	Regulations
<p>differential within the manufacturer's recommended range are to be initiated within two hours.</p>	
<p><u>Recordkeeping and Reporting Requirements</u></p>	
<p>1. Source observation (including baghouse pressure differentials and visual observations), corrective action, and all maintenance records of each source permitted under this unit will be documented and available for inspection. These records shall be maintained for a period of at least five (5) years from the date of generation and shall be made available to the permitting authority upon request.</p>	<p>Rule 335-3-16-.05(c)</p>

Summary Page for Screening and Bagging

Permitted

Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
BV-1	EDS CL1 Hopper (EU37-A)	PM	(See General Proviso 31)	335-3-4-.04
BV-1	EDS CL1 Hopper (EU37-A)	Opacity	(See General Proviso 29)	335-3-4-.01(1)
EU52 – DC-13	EDS CL1 (EU37-B) Screen S1 (EU25) Screen S2 (EU26-B)	PM	(See General Proviso 31)	335-3-4-.04
EU52 – DC-13	EDS CL1 (EU37-B) Screen S1 (EU25) Screen S2 (EU26-B)	Opacity	(See General Proviso 29)	335-3-4-.01(1)
BV-5	Screen S2 Hopper (EU26-A)	PM	(See General Proviso 31)	335-3-4-.04
BV-5	Screen S2 Hopper (EU26-A)	Opacity	(See General Proviso 29)	335-3-4-.01(1)
EU57 – DC-21	Screen S15 (EU35) Screen S14 (EU34)	PM	(See General Proviso 31)	335-3-4-.04
EU57 – DC-21	Screen S15 (EU35) Screen S14 (EU34)	Opacity	(See General Proviso 29)	335-3-4-.01(1)
EU57-DC-21 and EU47 – DC-6	EDS2 CL2 (EU38)	PM	(See General Proviso 31)	335-3-4-.04
EU57-DC-21 and EU47 – DC-6	EDS2 CL2 (EU38)	Opacity	(See General Proviso 29)	335-3-4-.01(1)
BV-6	Screen S3 Hopper (EU27-A)	PM	(See General Proviso 31)	335-3-4-.04
BV-6	Screen S3 Hopper (EU27-A)	Opacity	(See General Proviso 29)	335-3-4-.01(1)
EU53 – DC-15	Screen S3 (EU27-B) Screen S16 (EU36)	PM	(See General Proviso 31)	335-3-4-.04
EU53 – DC-15	Screen S3 (EU27-B)	Opacity	(See General Proviso 29)	335-3-4-.01(1)

	Screen S16 (EU36)		29)	
EU51 – DC-12	Screen S4 (EU28)	PM	(See General Proviso 31)	335-3-4-.04
EU51 – DC-12	Screen S4 (EU28)	Opacity	(See General Proviso 29)	335-3-4-.01(1)
BV-8	Screen S6 Hopper (EU29-A)	PM	(See General Proviso 31)	335-3-4-.04
BV-8	Screen S6 Hopper (EU29-A)	Opacity	(See General Proviso 29)	335-3-4-.01(1)
EU47 – DC-6	Screen S6 (EU29-B) Screen S7 (EU30) Screen S8 (EU31) Screen S9 (EU 32) Screen S12 (EU33)	PM	(See General Proviso 31)	335-3-4-.04
EU47 – DC-6	Screen S6 (EU29-B) Screen S7 (EU30) Screen S8 (EU31) Screen S9 (EU 32) Screen S12 (EU33)	Opacity	(See General Proviso 29)	335-3-4-.01(1)
EU60 – DC-28	Bulk Bag Operation (EU43) Kitting Station (EU44)	PM	(See General Proviso 29)	335-3-4-.01(1)
EU60 – DC-28	Bulk Bag Operation (EU43) Kitting Station (EU44)	Opacity	(See General Proviso 29)	335-3-4-.01(1)

Provisos for Screening and Bagging

Federally Enforceable Provisos	Regulations
<u>Applicability</u>	
1. This source is subject to the applicable requirements of ADEM Admin. Code R. 335-3-16-.03, "Major Source Operating Permits".	Rule 335-3-16-.03
<u>Emission Standards</u>	
1. Except as provided in the General Provisions of this Air Permit, no unit specific emission standards apply to the sources permitted under this unit. These units are subject to emission standards listed in General Proviso 29 and General Proviso 31.	Rule 335-3-4-.01(1) Rule 335-3-4-.04
<u>Compliance and Performance Test Methods and Procedures</u>	
1. EPA Reference Method 9 of Appendix A of CFR; Title 40, Part 60 (Latest Edition) or alternative approved by the Department will be used in the determination of the opacity of the stack emissions.	Rule 335-3-1-.05
2. EPA Reference Method 5 of Appendix A of CFR; Title 40, Part 60 (Latest Edition) or alternative approved by the Department will be used for any testing conducted to determine compliance with particulate matter emissions.	Rule 335-3-1-.05
<u>Emission Monitoring</u>	
1. The facility shall perform a visual check, once per week, of the stacks associated with these units. If visible emissions in excess of 10% opacity are noted, corrective action to eliminate the visible emissions must be taken within 2.0 hours of the observed visible emissions. Maintenance shall be performed as needed. All corrective action and observed problems shall be recorded.	Rule 335-3-16-.05(c)
2. After the corrective action has been performed, the permittee shall conduct another visual check to ensure that the visible emissions have been reduced.	Rule 335-3-16-.05(c)
3. Properly maintained and operated devices shall be utilized to measure the pressure differential between the inlets and exhausts of the baghouses to determine if the pressure differential is within the manufacturer's recommended operating range. The pressure differentials shall be checked on at least a weekly basis. Whenever a pressure differential is outside the manufacturer's recommended range, maintenance inspections and/or corrective action to bring the pressure differential within the manufacturer's recommended range are to be initiated within two hours.	Rule 335-3-16-.05(c)

Federally Enforceable Provisos	Regulations
<p><u>Recordkeeping and Reporting Requirements</u></p> <ol style="list-style-type: none"> 1. Source observation (including baghouse pressure differentials and visual observations), corrective action, and all maintenance records of each source permitted under these units will be documented and available for inspection. These records shall be maintained for a period of at least five (5) years from the date of generation and shall be made available to the permitting authority upon request. 	<p>Rule 335-3-16-.05(c)</p>

Summary Page for Weighing Operations

Permitted

Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
EU49 – DC-8	Spec Weighing (EU45)	PM	(See General Proviso 31)	335-3-4-.04
EU49 – DC-8	Spec Weighing (EU45)	Opacity	(See General Proviso 29)	335-3-4-.01(1)
EU50 – DC-10	Weigh Station (EU39)	PM	(See General Proviso 31)	335-3-4-.04
EU50 – DC-10	Weigh Station (EU39)	Opacity	(See General Proviso 29)	335-3-4-.01(1)
EU61 – DC-31	Weigh Station Single Scale (EU46)	PM	(See General Proviso 31)	335-3-4-.04
EU61 – DC-31	Weigh Station Single Scale (EU46)	Opacity	(See General Proviso 29)	335-3-4-.01(1)

Provisos for Weighing Operations

Federally Enforceable Provisos	Regulations
<u>Applicability</u>	
1. This source is subject to the applicable requirements of ADEM Admin. Code R. 335-3-16-.03, "Major Source Operating Permits".	Rule 335-3-16-.03
<u>Emission Standards</u>	
1. Except as provided in the General Provisions of this Air Permit, no unit specific emission standards apply to the sources permitted under this unit. These units are subject to emission standards listed in General Proviso 29 and General Proviso 31.	Rule 335-3-4-.01(1) Rule 335-3-4-.04
<u>Compliance and Performance Test Methods and Procedures</u>	
1. EPA Reference Method 9 of Appendix A of CFR; Title 40, Part 60 (Latest Edition) or alternative approved by the Department will be used in the determination of the opacity of the stack emissions.	Rule 335-3-1-.05
2. EPA Reference Method 5 of Appendix A of CFR; Title 40, Part 60 (Latest Edition) or alternative approved by the Department will be used for any testing conducted to determine compliance with particulate matter emissions.	Rule 335-3-1-.05
<u>Emission Monitoring</u>	
1. The facility shall perform a visual check, once per week, of the stacks associated with these units. If visible emissions in excess of 10% opacity are noted, corrective action to eliminate the visible emissions must be taken within 2.0 hours of the observed visible emissions. Maintenance shall be performed as needed. All corrective action and observed problems shall be recorded.	Rule 335-3-16-.05(c)
2. After the corrective action has been performed, the permittee shall conduct another visual check to ensure that the visible emissions have been reduced.	Rule 335-3-16-.05(c)
3. Properly maintained and operated devices shall be utilized to measure the pressure differential between the inlets and exhausts of the baghouses to determine if the pressure differential is within the manufacturer's recommended operating range. The pressure differentials shall be checked on at least a weekly basis. Whenever a pressure differential is outside the manufacturer's recommended range, maintenance inspections and/or corrective action to bring the pressure differential within the manufacturer's recommended range are to be initiated within two hours.	

Federally Enforceable Provisos	Regulations
<p><u>Recordkeeping and Reporting Requirements</u></p> <ol style="list-style-type: none"> 1. Source observation (including baghouse pressure differentials and visual observations), corrective action, and all maintenance records of each source permitted under this unit will be documented and available for inspection. These records shall be maintained for a period of at least five (5) years from the date of generation and shall be made available to the permitting authority upon request. 	Rule 335-3-16-.05(c)

Summary Page for Emergency Generator

Permitted

Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
EU48	Emergency NG Generator	PM	See Table 1 in 40 CFR Part 60 Subpart JJJJ	40 CFR Part 60 Subpart JJJJ
EU48	Emergency NG Generator	SO ₂	N/A	N/A
EU48	Emergency NG Generator	NO _x	See Table 1 in 40 CFR Part 60 Subpart JJJJ	40 CFR Part 60 Subpart JJJJ
EU48	Emergency NG Generator	CO	See Table 1 in 40 CFR Part 60 Subpart JJJJ	40 CFR Part 60 Subpart JJJJ
EU48	Emergency NG Generator	VOC	N/A	N/A
EU48	Emergency NG Generator	Opacity	(See General Proviso 29)	335-3-4-.01(1)

Provisos for Emergency Generator

Federally Enforceable Provisos	Regulations
<u>Applicability</u>	
1. This source is subject to the applicable requirements of ADEM Admin. Code R. 335-3-16-.03, "Major Source Operating Permits".	Rule 335-3-16-.03
2. This source must meet the requirements of Subpart ZZZZ by meeting the requirements of 40 CFR Part 60 Subpart JJJJ, for spark ignition engines.	40 CFR §63.6590(c)(6)
3. This source is subject to the applicable requirements of 40 CFR Part 60 Subpart JJJJ, "Standards of Performance for Stationary Spark Ignition Internal Combustion Engines".	40 CFR Part 60 Subpart JJJJ
4. This source is subject to the applicable requirements of Subpart A of 40 CFR Part 60, "General Provisions" as listed in Table 3 of Subpart JJJJ.	40 CFR Part 60 Subpart JJJJ
<u>Emission Standards</u>	
1. This unit shall operate on natural gas.	40 CFR Part 60 Subpart JJJJ
2. This unit is subject to the applicable emission standards listed in Table 1 to 40 CFR Part 60 Subpart JJJJ and 40 CFR §60.4233(d).	40 CFR §60.4233(d)
3. This unit must be certified according to 40 CFR Part 60 Subpart JJJJ for the same model year and maximum engine power.	40 CFR §60.4243(b)
4. This unit must be installed and configured according to the manufacturer's specifications.	40 CFR §60.4243(a)
5. The facility must operate and maintain this unit according to the manufacturer's written instructions or procedures developed by the owner or operator that are approved by the engine manufacturer, over the entire life of the engine.	40 CFR §60.4243(a)
6. The Permittee must install a non-resettable hour meter prior to startup of the engine.	40 CFR §60.4237

Federally Enforceable Provisos	Regulations
<p>7. This unit may be operated for the purpose of maintenance checks and readiness testing, provided that the tests are recommended by Federal, State or local government, the manufacturer, the vendor, or the insurance company associated with the engine. Maintenance checks and readiness testing of these units are limited to 100 hours per year. There is no time limit on the use of this unit in emergency situations. The owner or operator may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is</p> <p>not required if the owner or operator maintains records indicating that Federal, State, or local standards require maintenance and testing of emergency ICE beyond 100 hours per year . This unit may operate up to 50 hours per year in non-emergency situations, but those 50 hours are counted towards the 100 hours per year provided for maintenance and testing. The 50 hours per year for non-emergency situations cannot be used for peak shaving or to generate income for a facility to supply power to an electric grid or otherwise supply non-emergency power as part of a financial arrangement with another entity. Any operation other than emergency operation, maintenance and testing, and operation in non-emergency situations for 50 hours per year, as permitted in 40 CFR 60 Subpart JJJJ, is prohibited.</p>	<p>40 CFR §60.4243(d)</p>
<p><u>Compliance and Performance Test Methods and Procedures</u></p>	
<p>1. EPA Reference Method 9 of Appendix A of CFR; Title 40, Part 60 (Latest Edition) or alternative approved by the Department will be used in the determination of the opacity of the stack emissions.</p>	<p>Rule 335-3-1-.05</p>
<p><u>Emission Monitoring</u></p>	
<p>1. This source is subject to no additional specific requirements other than those listed in the General Provisos.</p>	<p>N/A</p>
<p><u>Recordkeeping and Reporting Requirements</u></p>	
<p>1. The Permittee shall maintain files of all information (including all reports and notifications) required by 40 CFR Part 60 Subpart JJJJ for at least five (5) years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. The following records shall be kept:</p> <ul style="list-style-type: none"> (a) All notifications submitted to comply with Subpart JJJJ and all documentations supporting any notification. (b) Maintenance conducted on each unit. (c) Documentation from the manufacturer that each engine is certified to meet the emission standards. 	<p>40 CFR §60.4245(a)</p>

Federally Enforceable Provisos	Regulations
<p>(d) Hours of operation of each unit that is recorded through the non-resettable hour meter. The Permittee must document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation.</p> <p>2. The Permittee shall keep monthly records of the engine's operating hours and fuel usage in a form suitable for inspection.</p>	<p>Rule 335-3-16-.05(c)</p>